

PTO/SB/08A (08-03)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known

Application Number	10/696,048
Filing Date	OCTOBER 29, 2003
First Named Inventor	VLADIMIR GRUSHIN
Group Art Unit	2813
Examiner Name	UNKNOWN
Attorney Docket Number	PE0649USDIV6

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code ² (if known)			
EX		US -	6,303,238 B1	10-16-2001	Thompson et al.	
EX		US -	6,670,645 B2	12-30-2003	Grushin et al.	
EX		US -	2001/0019782 A1	09-06-2001	Igarashi et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₀
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
EX			EP 1 191 614 A2	03-27-2002	Canon Kabushiki Kaisha		<input type="checkbox"/>
EX			WO 00/57676 A1	09-28-2000	Univ. of Southern California		<input type="checkbox"/>
EX			WO 01/41512 A1	06-07-2001	Princeton Univ & University of Southern California		<input type="checkbox"/>
EX			WO 02/02714 A2	01-10-2002	DuPont		<input type="checkbox"/>
EX			WO 02/15645 A1	02-21-2002	Princeton Univ, Univ of So Cal & Universal Display		<input type="checkbox"/>
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4/8/2005

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10/12/2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/696,048
		Filing Date	October 29, 2003
		First Named Inventor	VLADIMIR GRUSHIN ET. AL.
		Group Art Unit	2813
		Examiner Name	UNKNOWN
Sheet 2 of 2	Attorney Docket Number	PE0649USDIV6	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LAMANSKY, SERGEY ET AL., Highly Phosphorescent Bis-Cyclometalated Iridium Complexes: Synthesis, Photophysical Characterization, and Use in Organic Light Emitting Diodes, J. Am. Chem. Soc., 2001, 123, American Chemical Society	<input type="checkbox"/>
		LAMANSKY, SERGEY ET AL., Synthesis and Characterization of Phosphorescent Cyclometalated Iridium Complexes, Inorg. Chem. 2001, 1704-1711, 40, American Chemical Society	<input type="checkbox"/>
		LAMANSKY, SERGEY ET AL., Molecularly doped polymer light emitting diodes utilizing phosphorescent Pt(II) and Ir(III) dopants, Organic Electronics, 2001, 53-62, 2, Elsevier Science B.V.	<input type="checkbox"/>
Ek		ABSTRACT OF JAPANESE PCT Publication WO02/44 189 A1, Luminescent Element and Display, 06-06-2002, Canon Kabushiki Kaisha	<input type="checkbox"/>
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Examiner Signature		Date Considered	4/8/2005
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10-29-03

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet <u>1</u> of <u>2</u>		Complete if Known	
		Application Number	10/027,421
		Filing Date	DECEMBER 20, 2001
		First Named Inventor	VLADIMIR GRUSHIN ET AL.
		Group Art Unit	2815
		Examiner Name	UNKNOWN
		Attorney Docket Number	PE0649 US CIP

U.S. PATENT DOCUMENTS						
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		Number - Kind Code ² (if known)				
EK		US -	2001/0019782 A1	09/06/2001	IGARASHI ET AL.	
		US -	2001/0053462 A1	12/20/2001	MISHIMA	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		CountryCode ³	Number ⁴	Kind Code ⁵ (if known)				
EK		EP	1175128	A2	01/23/2002	FUJI PHOTO FILM CO.		<input type="checkbox"/>
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete If Known	
		Application Number	10/027,421
		Filing Date	DECEMBER 20, 2001
		First Named Inventor	VLADIMIR GRUSHIN ET AL.
		Group Art Unit	2815
		Examiner Name	UNKNOWN
Sheet	2	of	2
		Attorney Docket Number	10/027,421

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
EK		DJUROVICH, PETER I. ET AL., Ir(III) Cyclometalated Complexes As Efficient Phosphorescent Emitters in Polymer Blend and Organic LEDs, Polymer Preprints, 2000, 770-771, 41(1)	<input type="checkbox"/>
EK		CHATANI, NAOTO ET AL., Ru3(CO)12-Catalyzed Reaction of Pyridylbenzenes with Carbon Monoxide and Olefins. Carbonylation at a C-H Bond in the Benzene Ring, J. Org. Chem., 1997, 2604-2610, 62, American Chemical Society	<input type="checkbox"/>
EK		GOSMINI, CORINNE ET AL., Electrosynthesis of functionalized 2-arylpyridines from functionalized aryl and pyridine halides catalyzed by nickel bromide 2,2'-bipyridine complex, Tetrahedron Letters, 2000, 5039-5042, 41, Elsevier Science Ltd.	<input type="checkbox"/>
EK		CACCHI, SANDRO ET AL., The Palladium-Catalyzed Transfer Hydrogenation/Heterocyclization of B-(2-Aminophenyl)-a,B-ynones. An Approach to 2-Aryl- and 2-Vinylquinolines, Synlett, 1999, 401-404, No. 4, Thieme Stuttgart, New York	<input type="checkbox"/>
EK		BALDO, M. A. ET AL., Very high-efficiency green organic light-emitting devices based on electrophosphorescence, Applied Physics Letters, July 5, 1999, 4-6, 75(1) American Institute of Physics	<input type="checkbox"/>
EK		BALDO, M. A. ET AL., High-efficiency fluorescent organic light-emitting devices using a phosphorescent sensitizer, Nature, February 17, 2000, 750-753, 403, Macmillan Magazines Ltd.	<input type="checkbox"/>
EK		WANG, YUE ET AL., (Hydroxyphenyl)pyridine derivative, its metal complexes and application as electroluminescence material, Chemical Abstracts Service, March 1, 2000, Database No. 133:315395	<input type="checkbox"/>
EK		DEDEIAN K. ET AL., A New Synthetic Route to the Preparation of a Series of Strong Photoreducing Agents: fac Tris-Ortho-Metalated Complexes of Iridium(III) with Substituted 2-Phenylpyridines, Inorg. Chem., 1991, 1685-1687, 30(8), American Chemical Society	<input type="checkbox"/>
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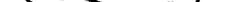
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Sheet	1	of	2		

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Sheet 2 of 2

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Attorney Docket Number	PE0649 US CIP

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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		BALDO, M.A. et al., High efficiency fluorescent organic light-emitting devices using a phosphorescent sensitizer, Nature, February 17, 2000, 750-753, Vol. 403	
		DJUROVICH, PETER I. et al., Ir(III) Cyclometalated Complexes as Efficient Phosphorescent Emitters in Polymer Blend and Organic LEDs, Polymer Reprints, 2000, 770-771, 41(1)	
		BALDO, M.A. et al., Very high-efficiency green organic light-emitting devices based on electrophoresence, Applied Physics Letters, July 6, 1999, 46, 75(1), American Institute of Physics	
EX		LOHSE, OLIVIER, et al., The Palladium Catalysed Suzuki Coupling of 2- and 4-Chloropyridines, Synlett, 1999, 45-48, No. 1, Thieme Stuttgart, New York	
EX		BALDO, M.A. et al., Highly efficient phosphorescent emission from organic electroluminescent devices, Nature, September 10, 1998, 151-154, Vol 395	
		DEDEIAN, K. et al., A New Synthetic Route to the Preparation of a Series of Strong Photoreducing Agents: fac Tris-Oxo-Metalated Complexes of Iridium (III) with Substituted 2-Phenylpyridines, Inorganic Chemistry, 1991, 1685-1687, 30(8)	

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